| For receiving Office use only                                |
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| -  |
| International Application No.                                |
|  |
| International Filing Date                                    |
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| Name of receiving Office and "PCT International Application" |

REQUEST The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference (if desired) (12 characters maximum) Case 21729 Box No. I TITLE OF INVENTION PDE4D in atherosclerosis APPLICANT Box No. II This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. +41 61 688 11 11 Facsimile No. F. Hoffmann-La Roche AG +41 61 688 13 95 Grenzacherstrasse 124 Teleprinter No. CH-4070 Basel, Switzerland Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: This person is applicant all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box for the purposes of: Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this This person is: Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) applicant only EVERS, Stefan applicant and inventor Paula-Hollenweger-Strasse 23 inventor only (If this check-box is marked, do not fill in below.) D-79379 Muellheim, Germany Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: DE This person is applicant all designated States except the United States of America the States indicated in the Supplemental Box all designated the United States for the purposes of: States of America only Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE Box No. IV The person identified below is hereby/has been appointed to act on behalf common agent of the applicant(s) before the competent International Authorities as: representative Name and address: (Family name followed by given name; for a legal entity, full official designation.

The address must include postal code and name of country.) Telephone No. +41 61 688 51 08 Facsimile No. WITTE, Hubert +41 61 688 13 95 Grenzacherstrasse 124 Teleprinter No. CH-4070 Basel, Switzerland Agent's registration No. with the Office Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

| Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)   |   |   |  |  |
|---|---|---|--|--|
| If none of the following sub-boxes is used, this sheet should not   | be included in the req  | ruest.  |  |  |
| Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence FINGERLE, Juergen Im Helbling 4  D-79400 Kandern, Germany   | This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office |   |  |  |
| State (that is, country) of nationality: DE   | State (that is, country, DE   | of residence:   |  |  |
| This person is applicant all designated for the purposes of:  | States except tes of America  | the United States of America only the States indicated in the Supplemental Box  |  |  |
| Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence HIMBER, Jacques 1 Chemin du Peternit F-68500 Guebwiller, France  | e address indicated in this<br>e is indicated below.)   | This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office |  |  |
| State (that is, country) of nationality:  FR  State (that is, country) of residence: FR   |   |   |  |  |
| This person is applicant all designated for the purposes of:  | States except tes of America  | the United States of America only the States indicated in the Supplemental Box  |  |  |
| Name and address: (Family name followed by given name; for a legal entity, full official designation.  The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Official designation.  This person is:  Applicant only |   |   |  |  |
| State (that is, country) of nationality:  | State (that is, country,  | ) of residence:   |  |  |
| This person is applicant all designated for the purposes of:  | States except tes of America  | the United States of America only the States indicated in the Supplemental Box  |  |  |
| Name and address: (Family name followed by given name; for a legal entit<br>The address must include postal code and name of country. The country of th<br>Box is the applicant's State (that is, country) of residence if no State of residence  | e address indicated in this   | This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office |  |  |
| State (that is, country) of nationality:  | State (that is, country)  | of residence:   |  |  |
| This person is applicant all designated for the purposes of:  | States except tes of America  | the United States of America only the States indicated in the Supplemental Box  |  |  |
| Further applicants and/or (further) inventors are indicated on another continuation sheet.  |   |   |  |  |

| Chast | N7 | 3 |
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| Cheet | NΩ | 3 |

| Box No. V DESIGNATIONS  |  |   |   |  |
|---|--|---|---|--|
| The filing of this request con filing date, for the grant of e  | stitutes under Rule 4.9(a), the<br>very kind of protection availa                                  | ne designation of all Controlled and, where applicable,     | acting States bound by the for the grant of both reg      | ne PCT on the international ional and national patents.    |
| However,  |  |   |   |  |
| DE Germany is not de  | esignated for any kind of nation   | onal protection   |   |  |
| KR Republic of Kores  | a is not designated for any kin  | nd of national protection                                   |   |  |
| RU Russian Federatio  | on is not designated for any k   | ind of national protection                                  |   |  |
| the national law, of an earlie  | be used to exclude (irrevocab<br>er national application from w<br>s in these and certain other St | hich priority is claimed. So                                | ned in order to avoid the<br>ee the Notes to Box No. V    | ceasing of the effect, under<br>as to the consequences of  |
| Box No. VI PRIORITY   | CLAIM  |   |   |  |
| The priority of the following   | g earlier application(s) is hereb  | y claimed:  |   |  |
| Filing date   | Number   | v   | Vhere earlier application                                 | is:  |
| of earlier application (day/month/year)   | of earlier application   | national application:<br>country or Member<br>of WTO        | regional application:* regional Office                    | international application:<br>receiving Office             |
| item (1)<br>10 / April / 2003<br>(10/4/2003)  | 03007993.3   |   | EP  |  |
| item (2)  |  |   |   |  |
| item (3)  |  |   |   |  |
| Further priority claims   | are indicated in the Suppleme  | ntal Box.   |   |  |
| The receiving Office is required the earlier application was for above as:  | ested to prepare and transmit t<br>filed with the Office which for t                               | o the International Bureau<br>he purposes of this internat  | a certified copy of the ea<br>tional application is the r | rlier application(s) (only if receiving Office) identified |
| all items it  | rem (1)  | ) item (3)  | other, s  | ee Supplemental Box  |
| * Where the earlier applicate Industrial Property or one M  | ion is an ARIPO application, in<br>Iember of  the World Trade Or                                   | ndicate at least one country<br>ganization for which that e | party to the Paris Conve<br>earlier application was fi    | ention for the Protection of<br>led (Rule 4.10(b)(ii)):    |
|   |  |   |   |  |
| Box No. VII INTERNA   | TIONAL SEARCHING AUT   | THORITY   |   |  |
| international search, indicate  | arching Authority (ISA) (if t<br>e the Authority chosen; the two                                   | -letter code may be used):                                  |   |  |
| ISA / .EP   |  |   |   |  |
| Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):                        |  |   |   |  |
| Date (day/month/year)   | Numb   | per Coun  | try (or regional Office)                                  |  |
| Box No. VIII DECLARATIONS   |  |   |   |  |
| The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of check-boxes below and indicate in the right column the number of each type of declaration): |  |   |   |  |
| Box No. VIII (i) Declaration as to the identity of the inventor :   |  |   |   | :  |
| Box No. VIII (ii)  Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent:  |  |   |   |  |
| Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :   |  |   |   |  |
| Box No. VIII (iv)  Declaration of inventorship (only for the purposes of the designation of the United States of America):  |  |   |   |  |
| Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :   |  |   |   |  |

| Sheet | Nο | 4 |
|-------|----|---|
|       |    |   |

| Box No. IX CHECK LIST; LANGUAGE OF FILING   |           |                     |  |                                       |
|---|-----------|---------------------|--|---------------------------------------|
| This international application contains:  (a) in paper form, the following number sheets:   | r of      | item(s)<br>right co | ernational application is accompanied by the following<br>(mark the applicable check-boxes below and indicate in<br>lumn the number of each item): | Number<br>of items                    |
| request (including  | 4         | _                   | fee calculation sheet  | : 1                                   |
| declaration sheets) :   | 4         | 2.                  | original separate power of attorney  | :                                     |
| description (excluding sequence listing and/or  |           | 3.                  | original general power of attorney   | :                                     |
| tables related thereto) :   | 17        | 4. 🔀                | copy of general power of attorney; reference number, if any: .No. 22363  | : 1                                   |
| claims :  | 3         | 5. 🗆                |  | :                                     |
| abstract :  | 1         |                     | priority document(s) identified in Box No. VI as   | ·                                     |
| drawings :  | <u>13</u> |                     | item(s):   | :                                     |
| Sub-total number of sheets: sequence listing:   | 38<br>22  | 7. 🗖                | translation of international application into (language):  |                                       |
| tables related thereto :  |           | 8. 🗖                | separate indications concerning deposited microorgan   |                                       |
| (for both, actual number of sheets if filed in paper form,  |           | _                   | or other biological material   | :                                     |
| whether or not also filed in  |           | 9. 🗶                | sequence listing in computer readable form (indicate type and number of carriers)  |                                       |
| computer readable form; see (c) below) ————   |           | (i)                 | copy submitted for the purposes of international sea   | irch under                            |
| Total number of sheets :  | 60        | (;;)                | Rule 13ter only (and not as part of the international (only where check-box (b)(i) or (c)(i) is marked in left                                     | • •                                   |
| (b) only in computer readable form  |           | (11)                | additional copies including, where applicable, the c   | opy for the                           |
| (Section 801(a)(i))   | -         | , <u>.</u>          | purposes of international search under Rule 13ter  | :<br>Cabo                             |
| (i) sequence listing  |           | (111)               | together with relevant statement as to the identity of copies with the sequence listing mentioned in left co                                       |                                       |
| (ii) ☐ tables related thereto (c) ☐ also in computer readable form (Section 801(a)(ii))   | ı         | 10.                 | tables in computer readable form related to sequence lie (indicate type and number of carriers)  | sting                                 |
| (i) sequence listing  |           | (i)                 | copy submitted for the purposes of international sea<br>Section 802(b-quater) only (and not as part of the in                                      | arch under<br>nternational            |
| (ii) ☐ tables related thereto  Type and number of carriers (disketted)  | te l      | (;;)                | application)  ☐ (only where check-box (b)(ii) or (c)(ii) is marked in lef  | :<br>Acolumn)                         |
| CD-ROM, CD-R or other) on which a   | re        | (11)                | additional copies including, where applicable, the c   | copy for the                          |
| contained the purposes of international search under Section 802(b-quater) :    sequence listing: (iii)   together with relevant statement as to the identity of the copy or  |           |                     |  |                                       |
| tables related thereto:   |           | (111)               | copies with the tables mentioned in left column  | :                                     |
| (additional copies to be indicated unde   | er        | 11. 🗖               | other (specify):   | · · · · · · · · · · · · · · · · · · · |
| items 9(ii) and/or 10(ii), in right colum   | nn)       |                     |  |                                       |
| Figure of the drawings which should accompany the abstract:  Language of filing of the international application:  English  |           |                     |  |                                       |
| Box No. X SIGNATURE OF APPI   | LICANT    | Γ, AGEN             | T OR COMMON REPRESENTATIVE   | from reading the reguest)             |
| Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).  Number Witte Stefan Evers Juergen Fingerle Jacques Himber |           |                     |  |                                       |
|   |           | — For r             | receiving Office use only  |                                       |
| 1. Date of actual receipt of the purported international application:   |           |                     |  |                                       |
| 3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:   |           |                     |  |                                       |
| 4. Date of timely receipt of the required corrections under PCT Article 11(2):  |           |                     | not received:  |                                       |
| 5. International Searching Authority (if two or more are competent): ISA /  6. Transmittal of search copy delayed until search fee is paid  |           |                     |  |                                       |
| For International Bureau use only   |           |                     |  |                                       |
| Date of receipt of the record copy by the International Bureau:   |           |                     |  |                                       |

